ORDER NO. RD8006-5105C

Service Manual

Radio

RF-1410LBS

FM/LW/MW/SW 4-BAND
PORTABLE RADIO

■ SPECIFICATIONS

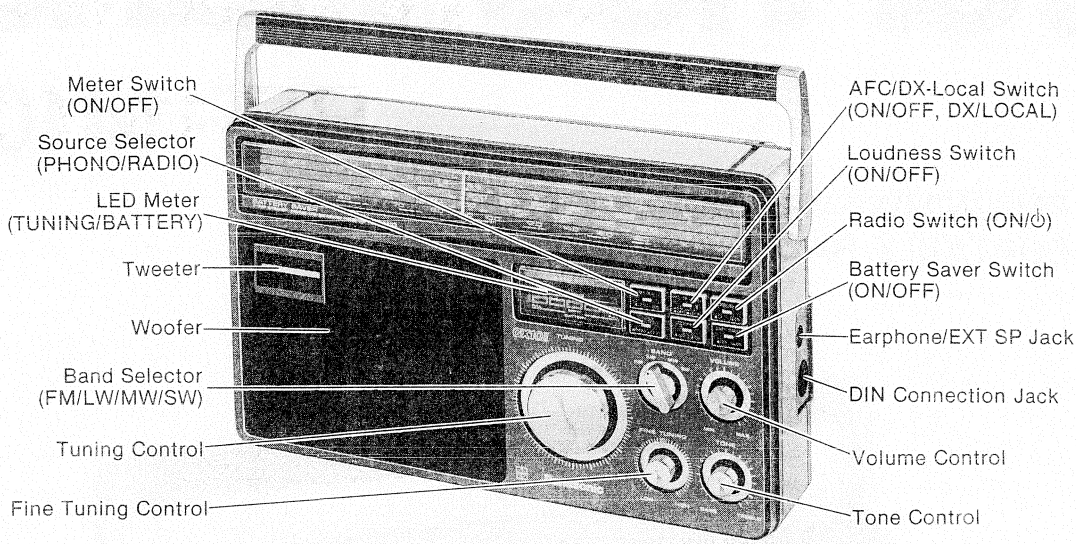
Frequency Range:	FM 87.5~108MHz LW 150~285kHz (2000~1060m) MW 525~1610kHz (571~186m) SW 5.9~18MHz (50.8~16.7m)
Intermediate Frequency:	FM 10.7MHz AM (LW, MW & SW) 455kHz
Sensitivity:	FM 1.6μV for 50mW Output LW 60μV/m for 50mW Output MW 30μV/m for 50mW Output SW 6μV for 50mW Output
Power Source:	AC 110~125/220~240V 50/60Hz or DC 7.5V (Five "D" Size Flashlight Batteries) (National UM-1 or equivalent)
Power Consumption:	7W at 120V (AC Only)
Speakers:	Woofer; 12cm (5") PM Dynamic Speaker Tweeter; 3cm (1-3/16") PM Dynamic Speaker
Dimensions:	11-3/8"(Wide)×7"(High)×3-3/16" (Deep) (289×177×80)mm
Weight:	4 lb. 6.5 oz. (2kg) without batteries
Impedance:	Speaker.....8Ω Earphone Jack.....8Ω

Specifications are subject to change without notice.

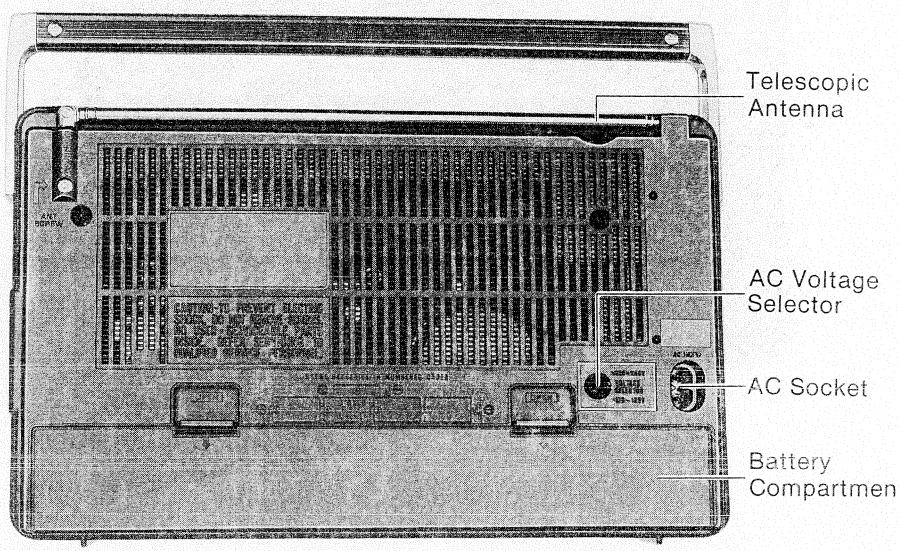
Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

LOCATION OF CONTROLS AND COMPONENTS

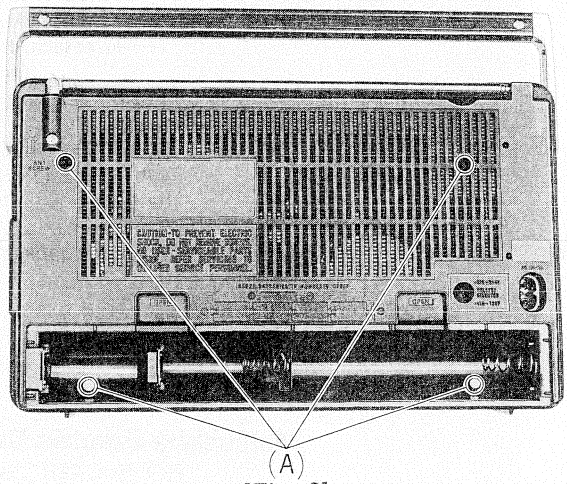


[Fig. 1]

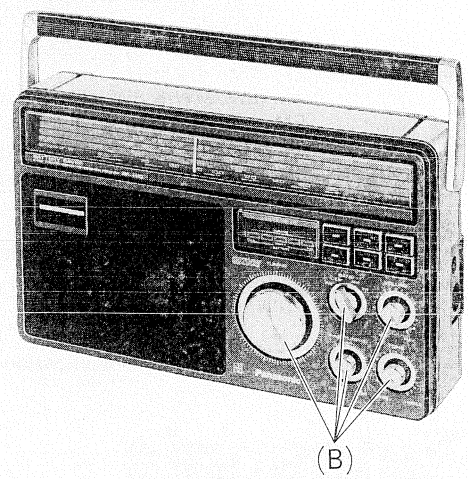


[Fig. 2]

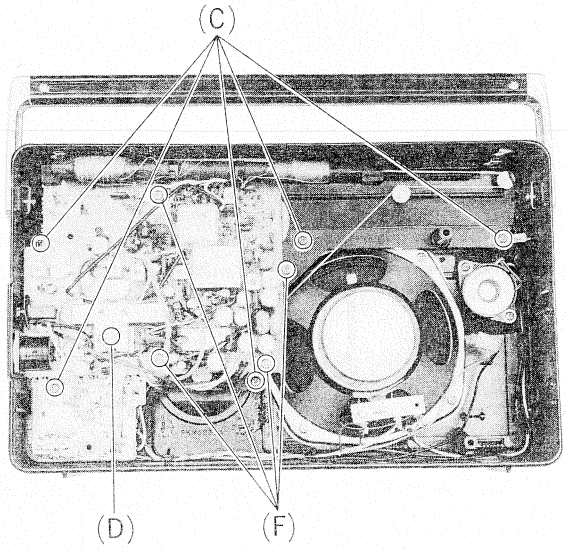
DISASSEMBLY INSTRUCTION



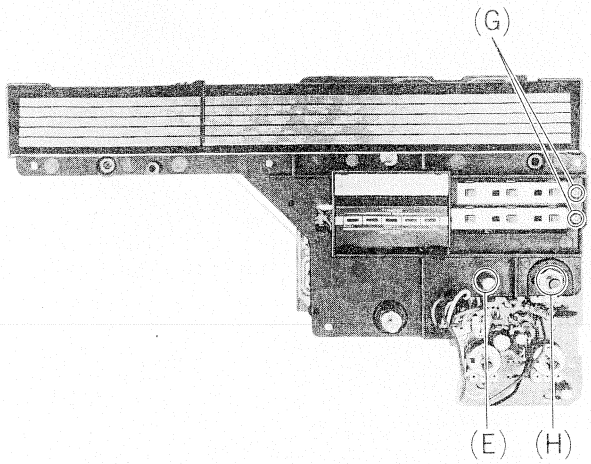
[Fig. 3]



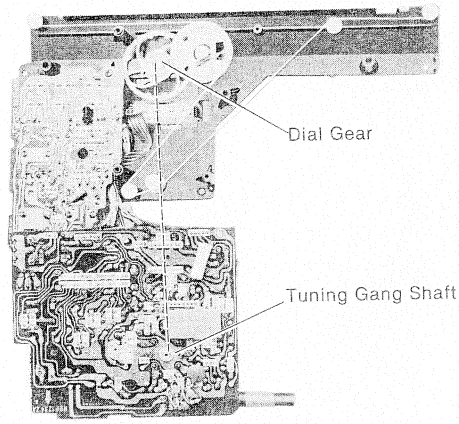
[Fig. 4]



[Fig. 5]



[Fig. 6]

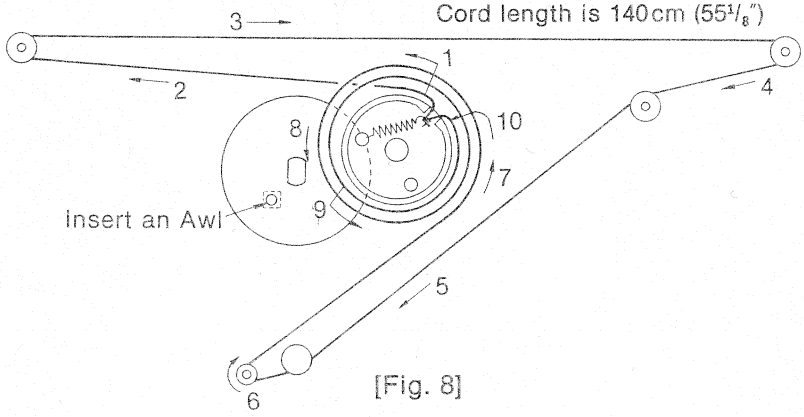


[Fig. 7]

Procedure	To remove —.	Remove —.	Shown in Fig. —.
1	Chassis	Screws (3×35) .....(A)×4	3
2		Knobs .....(B)×5	4
3		Red Screws (3×12) .....(C)×5	5
4	Printed Circuit Board	Circlip .....(D)×1	5
5		Band Switch Shaft .....(E)×1	6
6		Screws (3×10) .....(F)×4	5
7		Screws (3×6) .....(G)×2	6
8		Nut (8ϕ).....(H)×1	6

Notes:
Turn tuning gang shaft to fully counter-clockwise.
Insert the tuning gang shaft in the hole of dial gear as shown in fig. 7.

DIAL THREADING



[Fig. 8]

ALIGNMENTS

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

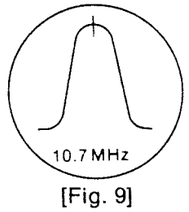
1. Set radio switch to ON.
2. Set volume control to maximum.
3. Set tone control to treble.
4. Set band switch to MW, LW, SW or FM.
5. Set meter switch to OFF.
6. Set AFC/DX-LOCAL switch to DX (AM) and OFF (FM).
7. Set source selector to radio.
8. Set loudness switch to OFF.
9. Set power source voltage to 7.5V DC.
10. Output of signal generator should be no higher than necessary to obtain an output reading.

■ LW, MW, AND SW ALIGNMENT

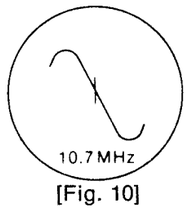
	BAND	SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS	SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
			AM IF ALIGNMENT				
(1)	MW	Fashion loop of serveral turns of wire and radiate signal into loop of receiver.	455kHz 30% Mod. at 400Hz	Point of non-interference.	Output meter across voice coil.	T2 (AM 1st IFT) T3 (AM 2nd IFT)	Adjust for maximum output.
			LW-RF ALIGNMENT				
(2)	LW	〃	145kHz	145kHz [19mm(3/4")]	Output meter across voice coil.	L8 (LW OSC Coil) (*1) L5 (LW ANT Coil)	Adjust for maximum output. Adjust L5 by moving coil bobbin along ferrite core.
(3)	LW	〃	285kHz	285kHz [160mm(6 5/16")]	〃	CT3 (LW OSC Trimmer) CT1 (LW ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
	(*1) Cement antenna bobbin with wax after completing alignment.						
			MW-RF ALIGNMENT				
(4)	MW	〃	550kHz	550kHz [19mm(3/4")]	Output meter across voice coil.	L9 (MW OSC Coil) (*2) L6 (MW ANT Coil)	Adjust for maximum output. Adjust L6 by moving coil bobbin along ferrite core.
(5)	MW	〃	1,500kHz	1,500kHz [160mm(6 5/16")]	〃	CT8 (MW OSC Trimmer) CT7 (MW ANT Trimmer)	Adjust for maximum output. Repeat steps (4) and (5).
	(*2) Cement antenna bobbin with wax after completing alignment.						
			SW-RF ALIGNMENT				
(6)	SW	Connect to test point 1 through ceramic capacitor (10PF). Negative side to test point 2.	5.9MHz	5.9MHz [11mm(7/16")]	Output meter across voice coil.	L10 (SW OSC Coil) L7 (SW ANT Coil)	Adjust for maximum output.
(7)	SW		18MHz	18MHz [168mm(6 5/8")]	〃	CT4 (SW OSC Trimmer) CT2 (SW ANT Trimmer)	Adjust for maximum output Repeat steps (6) and (7)

■ FM IF ALIGNMENT

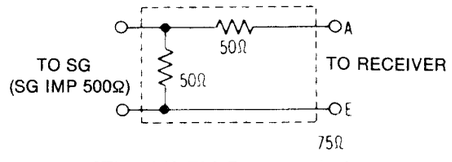
	BAND	SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS	SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
(1)	FM	Connect to test point 3 through 0.001μF. Negative side to point 2.	10.7MHz	Point of non-interference.	Connect vert. amp of scope to test point 5. Negative side to test point 2.	T1 (FM 1st)	Adjust for maximum amplitude. (Refer to Fig. 9.)
(2)	FM	〃	〃	〃	〃	T4 (FM 2nd)	Adjust for maximum amplitude. (Refer to Fig. 10.)



[Fig. 9]



[Fig. 10]



[Fig. 11] FM Dummy Antenna

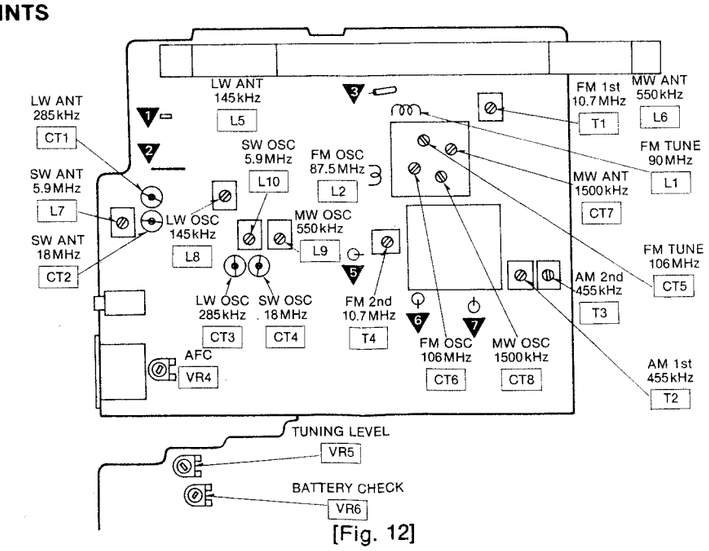
■ AFC, METER ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS	SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY	RADIO DIAL SETTING	AC VTVM	DC VTVM	ADJUSTMENT	REMARKS
				AFC ALIGNMENT				
(1)	FM	1 ... +, 2 ... −	98MHz (10~15dB)	Tune to signal (AFC switch... ON)	Output meter across voice coil.	—	VR4	1. Set AFC switch to OFF. 2. Adjust VR4 for maximum output.
				TUNING LEVEL ADJUSTMENT				
(2)	FM	〃	〃	Tune to signal.	—	7 ... +, 2 ... −	VR5	1. Turn VR6 to fully clockwise. 2. Adjust signal generator for 0.65~0.7V reading on DC VTVM. 3. Adjust VR5 so that 2nd LED begins to fade away.
				BATTERY CHECK				
(3)	FM	—	—	—	—	—	VR6	1. Set power source voltage to DC 4.5V. 2. Adjust VR6 so that 2nd LED begins to fade away.

■ FM RF ALIGNMENT

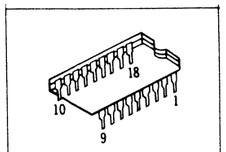
	BAND	SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS	SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
(1)	FM	Connect to test point 1 through FM dummy antenna. (Refer to fig. 11).	87.5MHz	Variable capacitor fully closed.	Output meter across voice coil.	L2 (FM OSC Coil)	(*3) Adjust for maximum output.
(2)	FM		90MHz	90MHz [21mm(27/32")]	〃	L1 (FM TUNE Coil)	(*3) Adjust for maximum output.
(3)	FM		106MHz	106MHz [150mm(5 29/32")]	〃	CT6 (FM OSC Trimmer) CT5 (FM TUNE Trimmer)	(*3) Adjust for maximum output. Repeat steps. (1)~(3).
	(*3) Three output responses will be present; proper tuning is the center frequency.						

■ ALIGNMENT POINTS

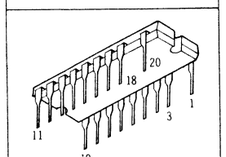


[Fig. 12]

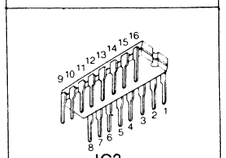
SCHEMATIC DIAGRAM MODEL



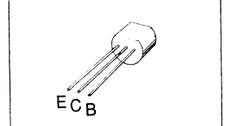
IC1



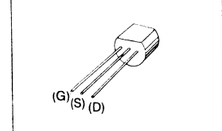
IC2



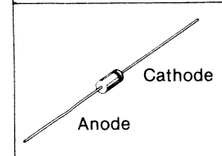
IC3



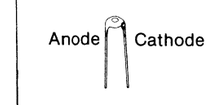
Q1~3, 5~9



Q4



D1~3, 10~13

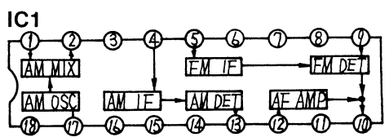


D4

Notes:

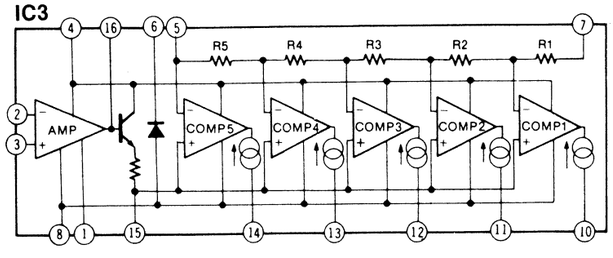
1. S1-1~S1-6: Band switch in "FM" position. (1...FM, 2...LW, 3...MW, 4...SW)
2. S2-1, S2-2: Radio switch in "OFF" position. (2...ON, 3... ⏻)
3. S3-1, S3-2: Battery saver switch in "OFF" position. (2...ON, 3...OFF)
4. S4-1, S4-2: AFC/DX-local switch in "ON/DX" position. (2...ON/DX, 3...OFF/LOCAL)
5. S5-1, S5-2: Source switch in "RADIO" position. (2...PHONO, 3...RADIO)
6. S6: Meter switch in "OFF" position. (2...ON, 3...OFF)
7. S7: Loudness switch in "OFF" position. (2...ON, 3...OFF)
8. S8: AC/DC switch in "DC" position.
9. S9: Voltage selector.
10. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery. [ ]...FM position, ( )...AM position.
11. Battery current: No signal 47mA
    Maximum output 530mA
12. ⚠ indicates that only parts specified by the manufacture be used for safety.

IC1



IC2

IC3



Q1 2SC1675 FM RF AMP
Q2 2SC1675 FM OSC
Q3 2SC1675 FM MIX
D1 RVDSD113 FM AFC
Q5 2SC1675 FM IF AMP
IC1 AN7220A AM CONV, FM AM IF AMP FM/AM DET
Q6 2SC1675 AM IF AMP
Q7 2SC945 REGULATOR
D3 RVDRD5R1I REGULATOI

TELESCOPIC ANTENNA

Q4 2SK104 AM RF AMP

D2 RVDSD113 FINE TUNING

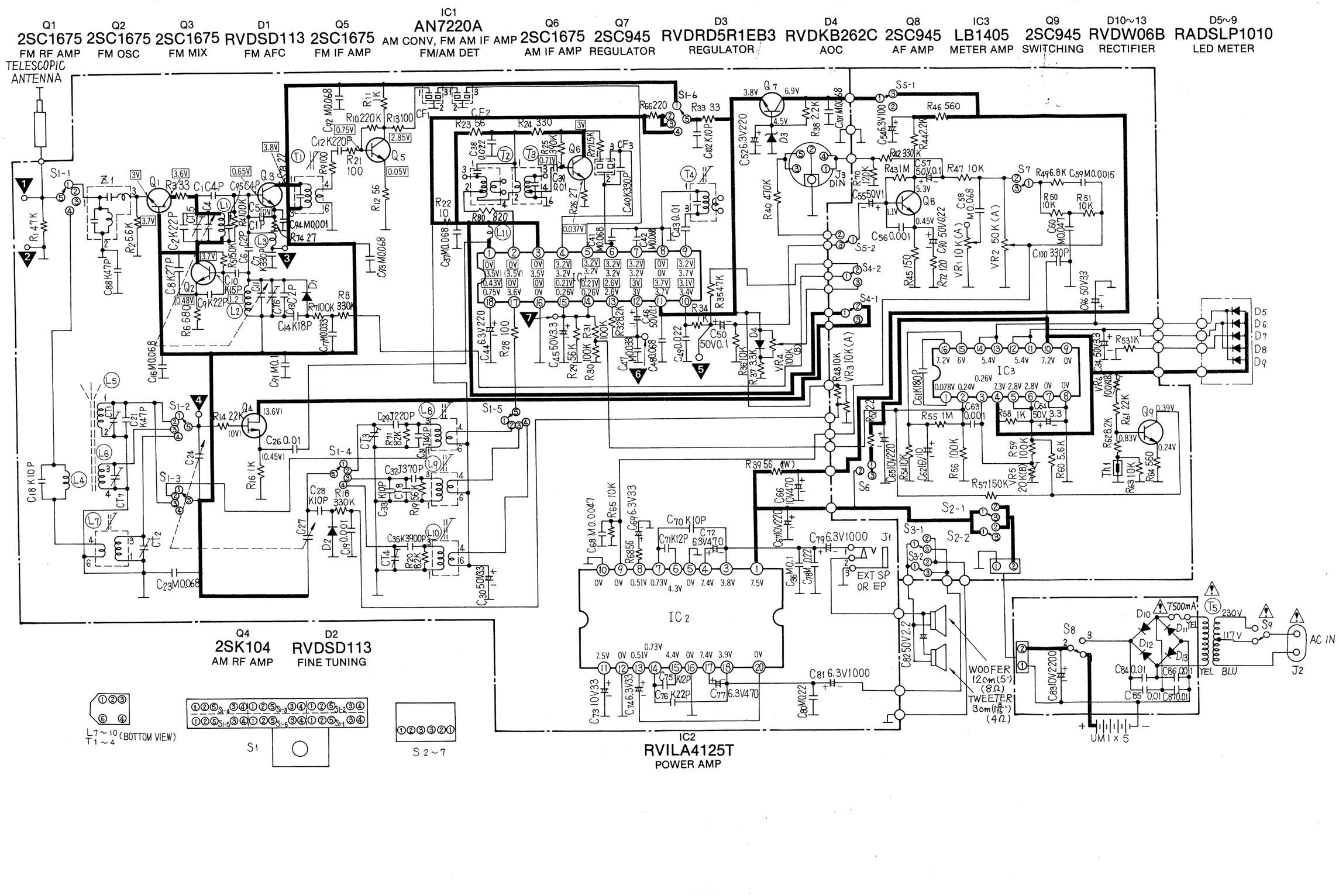
IC2 RVILA4125T POWER AMP

L7 ~ 10 T1 ~ 4 (BOTTOM VIEW)

S1

S2 ~ 7

SCHEMATIC DIAGRAM MODEL RF-1410LBS



RF-1410LBS

CIRCUIT BOARD WIRING VIEW MODEL RF-1410LBS

IC2

1	7.5V	8	0.51V	14	0.73V
3	3.8V	9	0V	15	4.4V
4	7.4V	10	0V	16	0V
5	0V	11	7.5V	17	7.4V
6	4.3V	12	0V	18	3.9V
7	0.73V	13	0.51V	20	0V

IC2

	FM	AM		FM	AM		FM	AM
1	0V	3.5V	7	3.2V	3.2V	13	2.6V	2.6V
2	0V	3.5V	8	0V	0V	14	0.21V	0.26V
3	0V	3.5V	9	3.2V	3.7V	15	0.21V	0.26V
4	3.2V	3.2V	10	3.1V	3.4V	16	0V	0V
5	3.2V	3.2V	11	3.7V	3.7V	17	0V	3.6V
6	3.2V	3.2V	12	3V	3V	18	0.43V	0.75V

IC3

1	0.078V	5	2.8V	9	0V	13	5.4V
2	0.24V	6	2.8V	10	7.2V	14	5.4V
3	0.26V	7	0V	11	5.4V	15	6V
4	7.3V	8	0V	12	5.4V	16	7.2V

Q7

C	6.9V
B	4.5V
E	3.8V

Q6

	FM
C	3V
B	0.71V
E	0.037V

Q4

	AM
D	3.6V
G	0V
S	0.45V

Q9

C	0.39V
B	0.83V
E	0.24V

Q8

C	5.3V
B	1.1V
E	0.45V

Q2

	FM
C	3.7V
B	1.2V
E	0.48V

Q1

	FM
C	3.6V
B	3.7V
E	3V

Q3

	FM
C	3.8V
B	0.65V
E	0V

Q5

	FM
C	2.85V
B	0.75V
E	0.05V

TELESCOPIC ANTENNA

BATTERIES (7.5V)

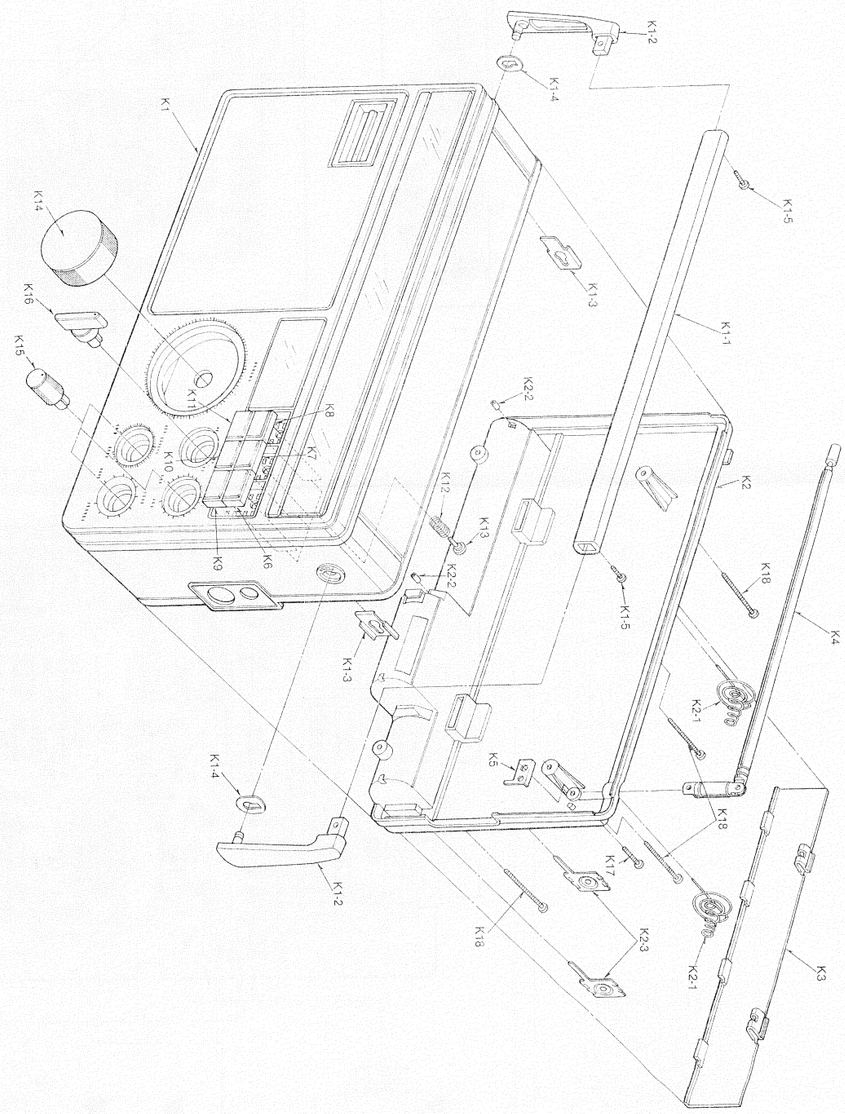
FUSE T500mA

12cm (5") PM DYNAMIC SPEAKER (Woofer) (8Ω)

3cm (1 7/32") PM DYNAMIC SPEAKER (Tweeter) (4Ω)

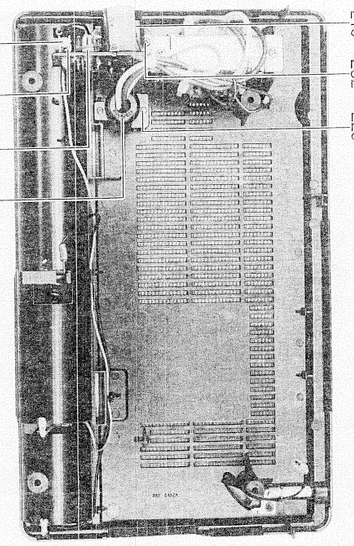
S9 VOLTAGE SELECTOR

CABINET PARTS

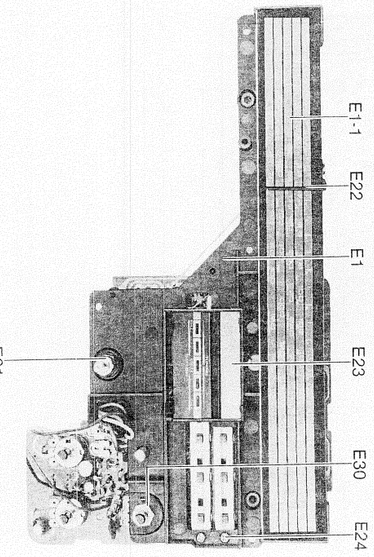


[Fig. 13]

ELECTRICAL PARTS



[Fig. 14]



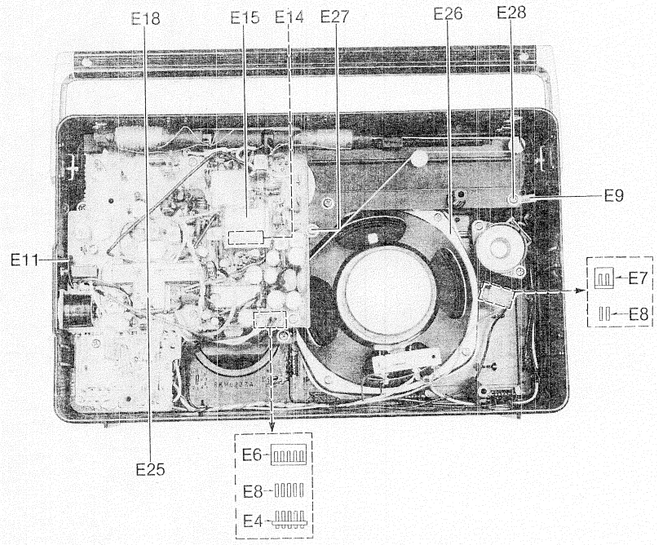
[Fig. 15]

■ REPLACEMENT PARTS LIST .....Model RF-1410LBS

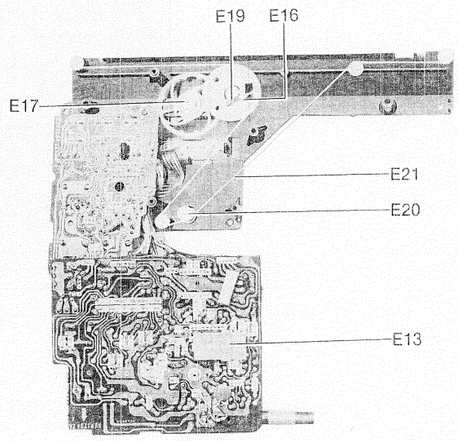
(RD8006-5105C)

NOTES: 1. ⚠ indicates that only parts specified by the manufacturer be used for safety.
2. The S mark indicates service standard parts and may differ from production parts.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		INTEGRATED CIRCUITS, TRANSISTORS AND DIODES		
IC1	AN7220A	IC	1	
IC2	RVILA4125T	IC	1	
IC3	LB1405	IC	1	
Q1,2,3, 5,6	2SC1675	Transistor (Si)	5	
Q4	2SK104	Transistor (Si)	1	
Q7,8,9	2SC945	Transistor (Si)	3	
D1,2	RVDSD113	Diode (Si)	2	S
D3	RVDRD5R1EB3	Diode (Si)	1	
D4	RVDKB262C	Diode (Si)	1	
D5∿9	RADSLP1010	LED (Ga)	1	
D10∿13	RVDW06B	Diode (Si)	4	
		COILS AND TRANSFORMERS		
L1	RLD4Y44	Tuning Coil, FM	1	
L2	RLD4Y53	Oscillator Coil, FM	1	
L5,6	RLF6F151	Antenna Coil, LW, MW	1	
L7	RLA3M10	Antenna Coil, SW	1	
L8	RLO1M4	Oscillator Coil, LW	1	
L9	RLO2M6	Oscillator Coil, MW	1	
L10	RLO3M31	Oscillator Coil, SW	1	
T1,4	RLI4M101	IFT, FM	2	S
T2	RLI2M216	IFT, AM	1	
T3	RLI2M217	IFT, AM	1	
T5	RLT5K136	Power Transformer	1	⚠
		VARIABLE RESISTORS		
VR1,3	EVH0XAF15A14	Variable Resistor, 10kΩ (A)	2	
VR2	EVH0XAF15A54	Variable Resistor, 50kΩ (A)	1	
VR4,6	EVNM4AA00B15	Variable Resistor,100kΩ (B)	2	S
VR5	EVNK4AA00B24	Variable Resistor, 20kΩ (B)	1	
		VARIABLE CAPACITORS		
C4,11, 24,27	RCV4RC2V1L	Tuning Capacitor, w/Trimmer Capacitor CT5∿8	1	
CT1∿4	RCV2T-16M	Trimmer Capacitor	2	
		CERAMIC FILTERS		
CF1,2	RVFSFE107MSR	Ceramic Filter	2	
CF3	RVFCFM2455D	Ceramic Filter	1	
		COMPONENT COMBINATION		
Z1	RXABPWB5	Component Combination	1	



[Fig. 16]



[Fig. 17]

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		THERMISTOR		
Th1	RRT302	Thermistor	1	
		SPEAKERS		
	EAS12P83GK	Speaker, 12cm (5"), 8Ω Woofer	1	
	RAS3PH02Z	Speaker, 3cm (17/32"), 8Ω Tweeter	1	
		SWITCHES		
S1-1∿S1-6	RSR4F02Z	Switch, Band	1	
S2∿S7	RSHX027Z	Switch, Function Selector	2	
S9	RSR2A01Y	Switch, Voltage Selector	1	⚠
		JACKS		
J1	RJJ32E	Jack, Earphone	1	S
J2	RJJ115Z	Jack, AC IN	1	⚠
J3	RJS15A	Jack, DIN	1	
		RESISTORS (Value is in OHMS)		
R29	ERD25TJ563	56 k 1/4W Carbon	1	S
R49	ERD25TJ682	6.8 k " "	1	S
R73	ERD25TJ220	22 " "	1	S
R60,2	ERD25TJ562	5.6 k " "	2	S
R59	ERD25TJ104	100 k " "	1	S
R55	ERD25TJ105	1 M " "	1	S
R1,35	ERD25TJ473	47 k " "	2	S
R20,32,62	ERD25TJ822	8.2 k " "	3	S
R14,38,44	ERD25TJ222	2.2 k " "	3	S
R22	ERD25TJ100	10 " "	1	S
R26,74	ERD25TJ270	27 " "	2	S
R3,33	ERD25TJ330	33 " "	2	S
R80	ERD25TJ821	820 " "	1	S
R12,23,68	ERD25TJ560	56 " "	3	S
R9,13,21	ERD25TJ101	100 " "	3	S
R45	ERD25TJ151	150 " "	1	S
R66	ERD25TJ221	220 " "	1	S
R24	ERD25TJ331	330 " "	1	S
R72	ERD25TJ121	120 " "	1	S
R46,64	ERD25TJ561	560 " "	2	S
R6	ERD25TJ681	680 " "	1	S
R11,16,34,53,58	ERD25TJ102	1 k " "	5	S
R27	ERD25TJ152	1.5 k " "	1	S
R37	ERD25TJ332	3.3 k " "	1	S
R36,47,50,51,54,48,63,65	ERD25TJ103	10 k " "	8	S
R70	ERD25TJ124	120 k " "	1	S
R61	ERD25TJ223	22 k " "	1	S
R25	ERD25TJ394	390 k " "	1	S
R71	ERD25TJ823	82 k " "	1	S
R19	ERD25TJ563	56 k " "	1	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R7,4,30,31,56	ERD25TJ104	100 k 1/4W Carbon	5	S
R10	ERD25TJ224	220 k " "	1	S
R8,42	ERD25TJ334	330 k " "	2	S
R40	ERD25TJ474	470 k " "	1	S
R8	ERD25TJ564	560 k " "	1	S
R5,57	ERD25TJ154	150 k " "	2	S
R43	ERD25TJ105	1 M " "	1	S
R39	ERG1ANJ560	56 1W Metal Oxide	1	S
		CAPACITORS (Value is in MICRO FARADS except P.P=PICO FARADS)		
C5	ECCD1H010C	1 P 50V Ceramic	1	
C8	ECCD1H270KC	27 P " "	1	
C6,13	ECCD1H020C	2 P " "	2	
C1,95	ECCD1H040C	4 P " "	2	
C18,28,33,102	ECCD1H100KC	10 P " "	4	
C10	ECCD1H150KC	15 P " "	1	
C14	ECCD1H180KC	18 P " "	1	
C21,88	ECCD1H470KC	47 P " "	2	
C61	ECCD1H181K	180 P " "	1	
C71,75	ECCD1H120KC	12 P " "	2	
C7,40,100	ECCD1H331K	330 P " "	3	
C12	ECCD1H221K	220 P " "	1	
C2,9,70,76	ECCD1H220KC	22 P " "	4	
C19,56,63	ECKD1H102ZF	0.001 " "	3	
C94	ECKD1H102MD	0.001 " "	1	
C26,39,43,84∿87	ECKD1H103ZF	0.01 " "	7	
C38	ECKD1H223ZF	0.022 " "	1	
C68	ECKD1H472MD	0.0047 " "	1	
C59	ECKD1H152MD	0.0015 " "	1	
C31	ECQS0514JZ	140 P " Styrol	1	
C29	ECQS05221JZ	220 P " "	1	
C32	ECQS0537JZ	370 P " "	1	
C35	ECQS05392KZ	3900 P " "	1	
C78,80	ECQG05224MZ	0.22 " Polyestor	2	
C23,41,42	ECQG05683MZ	0.068 " "	3	
C38,49	ECFVD223MD	0.022 25V Semi-Conductor	2	
C17,47	ECFVD333MD	0.033 " "	2	
C60	ECFVD473MD	0.047 " "	1	
C16,37,48,58,92,93,101	ECFVD683MD	0.068 " "	7	
C36,91	ECFVD104MD	0.1 " "	2	
C83	ECEA1CS222	2200 16V Electrolytic	1	S
C66	ECEA1AS471	470 10V "	1	S
C44,52,65,67	ECEA1AS221	220 " "	4	S
C30,34,45,64,96	ECEA50Z3R3	3.3 50V "	5	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C54	ECEA1AS101	100 10V Electrolytic	1	S
C69,73, 74	ECEA1CS330	33 16V "	3	S
C62	ECEA1HS100	10 50V "	1	S
C72,77	ECEA0JS471	470 6.3V "	2	S
C55	ECEA50Z1	1 50V "	1	S
C79,81	ECEA0JS102	1000 6.3V "	2	S
C46,50, 57	ECEA50ZR1	0.1 50V "	3	
C90	ECEA50ZR22	0.22 " "	1	
C82	ECEA50N2R2	2.2 " "	1	
C83	ECEA1CS222	2200 16V "	1	S
		CABINET PARTS		
K1	RYMF1410LBSX	Front Cabinet Assembly	1	
K1-1	RKX196Z	Handle	1	
K1-2	RKX198Z	Arm, Handle	2	
K1-3	QBP1817	Stopper, Arm	2	
K1-4	RKX184Z	Washer, Arm	2	
K1-5	XSB3+6FZ	Screw, Handle M'tg	2	
K2	RYFF1410LBSX	Rear Cabinet Assembly	1	
K2-1	RJC505Z	Spring, Battery - Side	2	
K2-2	RJT398A	Connecting Pipe, Spring	2	
K2-3	RJC111A	Terminal, Battery + Side	2	
K3	RYNF1410LBSX	Battery Cover Assembly	1	
K4	XEAQCR228EAY	Telescopic Antenna	1	
K5	RJT711Z	Terminal, Telescopic Antenna	1	
K6	RBC279Z	Button, RADIO	1	
K7	RBC279Y	Button, AFC/DX-LOCAL	1	
K8	RBC279X	Button, METER	1	
K9	RBC279W	Button, BATT SAVER	1	
K10	RBC279V	Button, LOUDNESS	1	
K11	RBC279U	Button, SOURCE SELECTOR	1	
K12	RDS5104Z	Spring, Button	6	
K13	RHR1119Z	Stopper, Button	6	
K14	RBN533Z	Knob, Tuning	1	
K15	RBN534Z	Knob, Volume, Tone, Fine Tuning	3	
K16	RBS168Z	Knob, Band	1	
K17	XYN3+F15FZ	Screw, Telescopic Antenna M'tg	1	
K18	XTB3+35BFN	Screw, Cabinet M'tg	4	S
		ELECTRICAL PARTS		
E1	RZAF1410LBSX	Dial Chassis Assembly	1	
E1-1	RKD558Z	Scale, Dial	1	
E2	XBA2C05TR0	Fuse, T500mA	1	⚠
E3	QTF1054	Terminal, Fuse	2	⚠
E4	RJP116Z	Plug, 5 Pin	1	
E5	RJP213Z	Plug, 2 Pin	1	
E6	RJS217Y	Socket, 5 Pin	1	
E7	RJS171Z	Socket, 2 Pin	1	
E8	RJT462Z	Terminal, Socket	7	
E9	RJT202B	Terminal, Earth	2	
E10	RUV482Z	Cover, AC IN Socket	1	⚠
E11	RUV118B	Cover, EP Jack	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
E12	RUV426Z	Cover, Voltage Selector	1	⚠
E13	RMC382Z	Shield Cover	1	
E14	RMC506Z	Shield Cover, IC1	1	
E15	RMC706Z	Shield Cover	1	
E16	RDD3383Z	Drum, Dial	1	
E17	RDG5693Z	Gear, Dial	1	
E18	RDF230Z	Shaft, Band Switch	1	
E19	RDS4090A	Spring, Dial	2	
E20	RDT2252Z	Shaft, Tuning	1	
E21	RDZ05Z	Cord, Dial	1 ROLL	
E22	RDP809Z	Pointer, Dial	1	
E23	RGK952Z	Indicating Plate, LED	1	
E24	XSN3+6S	Screw, Function Switch M'tg	2	S
E25	XUC25FY	Circlip, Band Switch Shaft M'tg	1	
E26	RMS5Y	Bracket, Speaker	1	
E27	XTW3+10F	Screw, PC Board etc M'tg	9	
E28	XTW3+12FR	Red Screw, Chassis M'tg	5	
E29	XTN23+8C	Screw, Voltage Selector M'tg	2	
E30	XNS8	Nut, Volume M'tg	1	
E31	XNS9	Nut, Tuning Shaft M'tg	1	S
E32	XTW3+8F	Screw, AC IN Jack etc M'tg	6	S
		ACCESSORIES		
	XEH1A1-P	Magnetic Earphone	1	S
	RJA20Z	Power Cord, AC	1	S
	RQE13Z	Caution Tag	1	
		PACKING MATERIALS		
	XZB40X30A04	Polyethylene Cover	1	S
	RPN9346Z	Pad Complete	1	
	RPK980Z	Gift Box	1	
	RQE13Z	Caution Tag		
		PRINTED MATERIAL		
	RQX6580Z	Instruction Book	1	

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